

Atlantic County



ATLANTIC

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200 Argyle Avenue North

200 Argyle Avenue North

Margate City

Atlantic County

BLOCK: 502.02 **LOT:** 35

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 0.25 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Petroleum Hydrocarbons

STATUS

Levels Not of Concern

Soil

Volatile Organic Compounds
Petroleum Hydrocarbons

Delineated

FUNDING SOURCES


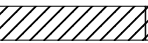
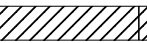
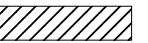




1986 Bond Fund

AMOUNT AUTHORIZED

\$8,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A leaking fuel oil underground storage tank contaminated the soil and ground water at this property. In 1991, a representative for the estate removed the tank, excavated and disposed of contaminated soil and installed a free product recovery system to remove the fuel oil floating on the water table. The free product recovery system operated for approximately six months and was shut down in 1992. NJDEP collected soil and ground water samples at the property in 1998 to determine whether the remediation was completed since post-cleanup data was not available. After reviewing the sampling data, NJDEP concluded that no potable wells are at risk of becoming contaminated due to this site. No additional actions are planned.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Sitewide					 Planned
					 Underway
					 Completed
					 Not Required

243 North Texas Avenue

243 North Texas Avenue

Atlantic City

Atlantic County

BLOCK: 68A **LOT:** 58

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 0.5 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Fuel Oil

STATUS

Removing/
Further Monitoring Required

FUNDING SOURCES







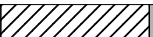





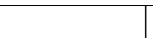
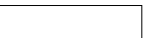


Spill Fund
1986 Bond Fund

AMOUNT AUTHORIZED

\$482,000
\$75,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Leaking underground fuel oil tanks contaminated the tidal saline aquifer beneath this residential property. In 1990, NJDEP began a Remedial Investigation (RI) to determine the extent of the contamination and installed a free-product recovery system to capture a layer of fuel oil that was floating on the water table. The system successfully collected approximately one gallon of fuel oil per week for several years and was decommissioned in 1994 after recovery fell off to a minimal amount. However, significant quantities of fuel oil product were again observed in recovery wells at the site in 1997 and NJDEP reinstalled the free-product recovery system and resumed collection of fuel oil from the aquifer later that year. In 1999, NJDEP closed underground heating oil tanks located at 15 nearby residences that were either abandoned or potential sources of contamination to the ground water. NJDEP plans to install additional ground water monitor wells near the site to evaluate the effectiveness of the remedial action. Operation and maintenance of the free-product recovery system is ongoing.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Free-Product Recovery					 Planned
Source Removal (UST Closures)					 Underway
Sitewide					 Completed
					 Not Required

Babcock and Forest Walk Ground Water Contamination

Babcock and Mays Landing Somers Point Roads

Hamilton Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES













Spill Fund

AMOUNT AUTHORIZED

\$323,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1991 revealed that six private potable wells in this area were contaminated with volatile organic compounds and mercury. Later that year, NJDEP installed Point-of-Entry Treatment (POET) water filtration systems in five of the affected homes to provide potable water for these residents. NJDEP subsequently conducted a water supply alternatives analysis which concluded that the continued use of POETs was the most cost effective long-term remedy for five of the six homes. In 1993, the Township used Spill Fund monies provided by NJDEP to extend a public water line to the sixth residential location. Potable water samples analyzed in 1995 indicated decreasing levels of volatile organic compounds. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Delancy Avenue Ground Water Contamination

Delancy Avenue

Egg Harbor Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Various

SURROUNDING LAND USE: Residential/Recreational

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES

Spill Fund

AMOUNT AUTHORIZED

\$19,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1992 revealed that private potable wells at seven residences in this area were contaminated with gasoline-related compounds. Egg Harbor Township extended a public water line to the affected homes in 1993 to provide potable water for these residents. NJDEP is proposing to institute a two-year monitoring program to measure the ground water quality downgradient from the area of contamination. In addition, NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (Water Line)					<div>Planned</div> <div>Underway</div> <div>Completed</div> <div>Not Required</div>

Egg Harbor City Ground Water Contamination

Buffalo Avenue & Route 30

Egg Harbor City

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Various

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

FUNDING SOURCES

No Public Funds Authorized to Date

AMOUNT AUTHORIZED

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Responsible Party for the Egg Harbor City Manufactured Gas Plant site under the supervision of NJDEP's Division of Responsible Party Site Remediation has identified a large plume of ground water contamination affecting irrigation wells in the area. The primary contaminant is the volatile organic compound tetrachloroethylene (also known as perchloroethylene, or PCE), a common dry cleaning solvent. Lower levels of trichloroethylene (TCE) have also been detected in the wells. These compounds are not attributable to the Manufactured Gas Plant site therefore the ground water contamination case was referred to NJDEP's Division of Publicly Funded Site Remediation for investigation in 1999. Egg Harbor City's municipal supply wells are located downgradient of the ground water plume but draw from a deeper aquifer than the one where the TCE and PCE have been detected. Periodic testing of the supply wells has not revealed the presence of any contaminants at levels exceeding New Jersey Drinking Water Standards. NJDEP has also confirmed that there are no private potable wells at risk of being contaminated as a result of this site. The Division of Publicly Funded Site Remediation will monitor the municipal supply wells and plans to conduct a Remedial Investigation (RI) to identify possible sources of the contamination.

PROJECT NAME

RI/RAS

DESIGN

CONSTR

O&M

Sitewide

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- ☐ Planned
- ☒ Underway
- ☐ Completed
- ☐ Not Required

Emmell's Septic Landfill

128 Zurich Avenue

Galloway Township

Atlantic County

BLOCK: 650 **LOTS:** 7,9

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Sewage Sludge Disposal
OPERATION STATUS: Inactive

PROPERTY SIZE: 38 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds

Delineating

Potable Water

Volatile Organic Compounds

Alternate Water Supply
Provided

Soil

Volatile Organic Compounds

Partially Removed/
Delineating

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$2,119,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site was operated as a septic and sewage sludge disposal facility between 1967 to 1979. During this period, the waste sludges were deposited in on-site trenches and lagoons in violation of the solid waste facility permit. Solid and chemical wastes were also disposed of at the site, including construction debris, gas cylinders, household garbage and an unknown quantity of drums, some of which contained paint sludges. Sampling of private potable wells at nearby residences between 1984 and 1988 revealed the presence of various volatile organic compounds above New Jersey Drinking Water Standards. The Atlantic County Health Department subsequently closed the contaminated wells and drilled deeper replacement wells at the residences. A preliminary assessment and site investigation completed by NJDEP in 1997 identified Emmell's Septic Landfill as the source of the potable well contamination.

In 1998, USEPA completed a Site Activity Investigation at the landfill. Sampling conducted during the Site Activity Investigation indicated the presence of volatile organic compounds in the soil and ground water. The investigation also confirmed the presence of waste materials (paints, charred materials and sludges) in the subsurface soil. USEPA added Emmell's Septic Landfill to the National Priorities List of Superfund sites and began a Remedial Investigation to delineate the nature and extent of the contamination and identify cleanup alternatives in 1999.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					
					<input type="checkbox"/> Planned
					<input checked="" type="checkbox"/> Underway
					<input type="checkbox"/> Completed
					<input type="checkbox"/> Not Required

Garden State Cleaners

Summer Road

Buena Borough

Atlantic County

BLOCK: 175 **LOT:** 6

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Dry Cleaning
OPERATION STATUS: Active

PROPERTY SIZE: 3000 Sq. Ft.

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds

Treating

Potable Water

Volatile Organic Compounds

Alternate Water Supply
Provided

Soil

Volatile Organic Compounds

Treated

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$653,000

1981 Bond Fund

\$50,000

Corporate Business Tax

\$350,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Garden State Cleaners has operated a dry cleaning establishment at this property since 1966. In 1984, NJDEP determined that the facility was discharging dry cleaning fluid onto the ground via a steam discharge pipe. Sampling revealed that the soil and ground water at the site were contaminated with the volatile organic compounds tetrachloroethylene (PCE) and trichloroethylene (TCE). Garden State Cleaners is located two blocks south of the South Jersey Clothing Company site, and plumes of contaminated ground water from both sites intermingle. In 1985, Buena Borough extended public water lines to properties with private wells that had become contaminated as a result of these sites. The Borough expanded the public water line system in 1988 to service additional residences in the immediate area.

In 1989, Garden State Cleaners and South Jersey Clothing Company were both placed on the National Priorities List of Superfund sites. USEPA conducted a joint Remedial Investigation and Feasibility Study (RI/FS) for the two sites and signed a Record of Decision (ROD) with NJDEP concurrence in 1991. The ROD required installation of individual soil vapor extraction systems to treat the contaminated soil at each of the sites and installation of a single ground water treatment system to address the entire ground water plume. USEPA installed a soil vapor extraction system at Garden State Cleaners in 1994. The system operated until 1996, when the soil remediation was determined to be complete. USEPA completed construction of the ground water treatment system in 1998, and will perform operation and maintenance (O&M) of the system for ten years.

PROJECT NAME

RI/FS

DESIGN

CONSTR

O&M

Sitewide



Planned

Underway

Completed

Not Required

Germania Gardens Ground Water Contamination

Cologne Avenue

Galloway Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury
Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Mercury
Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES













Spill Fund

AMOUNT AUTHORIZED

\$101,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1990 revealed that 24 private potable wells in this area were contaminated with mercury and volatile organic compounds. NJDEP installed Point of Entry Treatment (POET) water filtration systems in the affected homes in 1991 as an interim solution to provide potable water for these residents. Galloway Township extended a public water line to affected homes in 1994 as a permanent remedy. NJDEP later used Spill Fund monies to reimburse the Township for cost of the water line. NJDEP plans to conduct a preliminary assessment and site investigation to determine the source of the contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Giordano Lane Ground Water Contamination

Giordano Lane

Hammonton Town

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Alternate Water Supply
Provided

FUNDING SOURCES







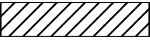

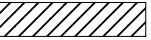



Spill Fund

AMOUNT AUTHORIZED

\$265,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1990 revealed that 15 private potable wells in this area were contaminated with mercury. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems in 10 homes where the mercury contamination exceeded state drinking water standards as an interim solution to provide potable water for these residents. In 1993, NJDEP delineated a Ground Water Impact Area (GWIA) that encompassed approximately 55 properties, and completed a water supply alternative analysis for the homes located in the GWIA. Based on this analysis, NJDEP concluded that the most cost-effective long-term solution was the continued use of POETs in the affected homes, but the Town of Hammonton decided to extend public water lines to all of the properties in the GWIA instead. NJDEP provided the Town with Spill Fund monies equal to the cost of monitoring and maintaining the POETs for 20 years to help pay for the water line. Installation of the water lines was completed in 1996. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	R/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Greenbriar Avenue Ground Water Contamination

Greenbriar Avenue

Buena Vista Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Treating

FUNDING SOURCES

Spill Fund

1981 Bond Fund









AMOUNT AUTHORIZED

\$46,000

\$5,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted between 1992 and 1999 by the Atlantic County Health Department identified nine private potable wells in this area that were contaminated with mercury at levels exceeding New Jersey Drinking Water Standards. The homeowners installed Point-of-Entry Treatment (POET) water filtration systems on their wells using Spill Fund monies provided by NJDEP. NJDEP monitoring and maintaining the POETs to ensure the units continue to operate effectively. Due to the limited extent and low levels of mercury contamination present in the ground water, identification of the source is unlikely; however, NJDEP plans to conduct a limited investigation to determine possible sources in the near future.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

Ivins and Madison Avenues Ground Water Contamination

Ivins and Madison Avenues

Egg Harbor Township Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury
Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Mercury
Volatile Organic Compounds

Treating/Alternate Water
Supply Provided

FUNDING SOURCES













Spill Fund
1986 Bond Fund

AMOUNT AUTHORIZED

\$13,000
\$30,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by Atlantic County and several independent laboratories between 1983 and 1996 identified 10 contaminated private potable wells in this area. Of these 10 wells, five were contaminated with mercury and five were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The sources of the contamination are unknown. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems on the contaminated wells as an interim measure to provide potable water for those residents. In 1998, NJDEP completed a water supply alternatives analysis that concluded the most cost-effective long-term remedy was installation of a public water line to service the affected homes. The local water purveyor completed construction of the water lines later that year and connection of the residences is underway. NJDEP is providing Spill Fund monies to pay for the residential connection costs.

PROJECT NAME	R/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Lake Shore Drive Ground Water Contamination

Lake Shore Drive and Lakeview Avenue

Hammonton Town

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury
Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Mercury
Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES

1981 Bond Fund

AMOUNT AUTHORIZED

\$680,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1990 revealed that approximately 50 private potable wells in this area were contaminated with mercury and volatile organic compounds. In 1993, NJDEP delineated a Ground Water Impact Area (GWIA) that encompassed approximately 110 properties and completed a water supply alternative analysis which concluded that the most cost-effective long-term solution was extension of public water lines to the GWIA. By using the third-party contracting method, NJDEP allowed the municipality to have direct oversight of the design and construction of the water lines. Approximately 120 homes were connected to the water lines when the installation was completed in 1994. NJDEP is conducting a preliminary assessment and site investigation to determine the source of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (Water Line)					

Planned

Underway

Completed

Not Required

Pleasant Woods Ground Water Contamination

Tilton Road, Atlantic City Expressway & Garden State Parkway

Egg Harbor Township Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Alternate Water Supply
Provided/Treating

FUNDING SOURCES





















No Public Funds Authorized to Date

AMOUNT AUTHORIZED

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department and NJDEP in this area in 1989 identified 64 private potable wells that were contaminated with mercury at levels exceeding the New Jersey Safe Drinking Water Standard for this contaminant. Sampling of ground water monitor wells installed in the area by NJDEP also revealed elevated levels of mercury. The source of the contamination is unknown. NJDEP subsequently delineated a Ground Water Impact Area (GWIA) that encompassed 128 properties. These properties as well as other properties with potable wells that were at risk of becoming contaminated were connected to the public water lines in 1992.

In 1998, NJDEP sampled potable wells at 28 residences located outside the original GWIA to determine whether the plume of ground water contamination had migrated. Mercury and/or volatile organic compounds were detected above New Jersey Drinking Water Standards at seven of the 28 homes. Point-of-Entry Treatment (POET) water filtration systems have been installed on the seven wells as an interim measure to provide potable water for those residents. NJDEP is conducting a water supply alternatives analysis to determine the most cost-effective long-term solution to provide potable water to the residences. NJDEP is also conducting a preliminary assessment/site investigation to determine the source or sources of the contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (Water Line)					 Planned
Receptor Control (POETS)					 Underway
Sitewide					 Completed
					 Not Required

Prices Landfill 1

Mill Road

Pleasantville City & Egg Harbor Township

Atlantic County

BLOCK: 36A **LOT:** 3,6
190 3

CATEGORY: Superfund
State Lead

TYPE OF FACILITY: Landfill
OPERATION STATUS: Inactive

PROPERTY SIZE: 26 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Volatile Organic Compounds Metals	Delineated
Potable Water	Volatile Organic Compounds	Alternate Water Supply Provided
Soil	Volatile Organic Compounds Petroleum Hydrocarbons	Delineated

FUNDING SOURCES	AMOUNT AUTHORIZED
Superfund	\$6,973,000
Spill Fund	\$589,000
General State Fund	\$1,009,000
Responsible Party Settlement Fund	\$2,705,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

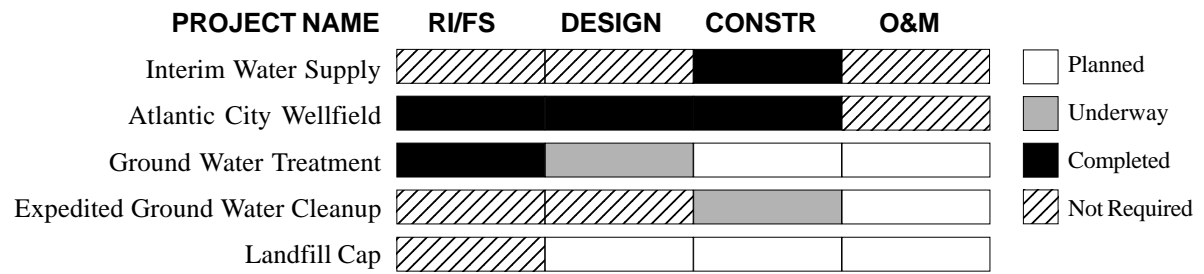
The site was originally a sand and gravel pit before it was converted into a private landfill in 1969. During the early 1970s, industrial wastes were disposed of at the site. Records indicate that liquid chemical wastes were poured directly into the landfill as well as buried in 55 gallon drums. It is estimated that 9 million gallons of chemical wastes were disposed of at the landfill in this manner. The operator of the landfill stopped accepting chemical wastes in 1972 and ceased operations entirely in 1978.

In the early 1980s, state and local officials determined that contaminated ground water at the landfill presented a substantial threat to nearby private potable wells and the Atlantic City Well Field, which was located less than a mile away. In 1982, USEPA placed the landfill on the National Priorities List of Superfund sites and NJDEP initiated a Remedial Investigation and Feasibility Study (RI/FS) to determine the extent of the contamination and evaluate cleanup alternatives. USEPA issued a Record of Decision (ROD) with NJDEP concurrence in 1983 that required relocation of the Atlantic City Well Field and replacement of private potable wells with public water supplies. This work was completed in 1985.

Based on the RI/FS, NJDEP determined that the ground water at Prices Landfill was significantly contaminated with various volatile organic compounds and metals, including benzene, vinyl chloride, cadmium and lead, and that a plume of ground water contamination was migrating off site. In 1986, after completing the RI/FS, USEPA issued a second ROD for the site with NJDEP concurrence that required the following actions: 1) installation of a security fence around the landfill; 2) installation of an on-site remediation system to collect and pretreat contaminated ground water and landfill leachate, followed by discharge of the treated effluent to the Atlantic County Wastewater Treatment Facility (ACWTF); 3) installation of a cap on the landfill; and 4) implementation of a long-term ground water monitoring program to evaluate the effectiveness of the remedial actions. NJDEP began the Remedial Design for the ground water remediation system in 1987; however, progress on the Remedial Design was delayed when ACWTF changed its discharge criteria and would no longer agree to accept treated effluent from the landfill. This change required NJDEP to modify the Remedial Design to incorporate discharge of the treated effluent to the ground water through infiltration galleries. NJDEP began construction of the ground water remediation system in 1998 and the system is scheduled to be completed in 2000. The system will then be evaluated and modified over a period of two years to optimize its performance. During this evaluation period, NJDEP will retain the services of the Remedial Design contractor to assist with any major modifications that may be necessary. The Remedial Design for the landfill cap will be initiated once the ground water remediation system is operational and proven to be functioning effectively.

Prices Landfill 1

(Continued from previous page)



South Jersey Clothing Company

One Central Avenue Buena Borough

Atlantic County

BLOCK: 144 LOT: 3

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Clothing Manufacturer
OPERATION STATUS: Inactive

PROPERTY SIZE: 1.2 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds

Treating

Potable Water

Volatile Organic Compounds

Alternate Water
Supply Provided

Soil

Volatile Organic Compounds

Treating

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$11,500,000

1981 Bond Fund

\$1,150,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The South Jersey Clothing Company formerly manufactured military clothing in the Minotola section of Buena Borough. While the facility was in operation, waste waters contaminated with solvents were routinely discharged onto the ground and hazardous wastes were stored in leaking drums on the premises. Sampling conducted by the NJDEP and the Atlantic County Health Department in 1981 revealed significant levels of contamination in the soil and ground water at the site. Between 1981 and 1985, South Jersey Clothing Company took several actions to address the contamination, which included excavating and disposing of some of the contaminated soil and installing a small-scale ground water treatment system.

South Jersey Clothing Company is located two blocks north of the Garden State Cleaners site, and the plumes of contaminated ground water from both sites intermingle. In 1985, Buena Borough installed public water lines to service several nearby properties with private wells that had become contaminated as a result of these sites. The Borough expanded the public water line system in 1988 to service additional residences in the immediate area.

In 1989, South Jersey Clothing Company and Garden State Cleaners were both placed on the National Priorities List of Superfund sites. USEPA conducted a joint Remedial Investigation and Feasibility Study (RI/FS) for the two sites, and signed a Record of Decision (ROD) with NJDEP concurrence in 1991. The ROD required installation of individual soil vapor extraction systems to treat the contaminated soil at each of the sites and installation of a single ground water treatment system to address the entire ground water plume. USEPA completed construction of the soil vapor extraction system and ground water treatment system in 1998. USEPA will perform operations and maintenance (O&M) of both remedial systems for ten years.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Ground Water Treatment & Water Line					<input type="checkbox"/> Planned
Sitewide					<input type="checkbox"/> Underway
					<input checked="" type="checkbox"/> Completed
					<input type="checkbox"/> Not Required

Wheat Road & Route 40 Ground Water Contamination

Wheat Road & Route 40 Buena Borough & Buena Vista Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Delineating

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES

Spill Fund
Corporate Business Tax






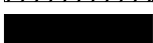
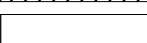
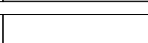
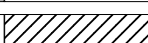



AMOUNT AUTHORIZED

\$77,000
\$261,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1997 revealed that several private potable wells in this area were contaminated with mercury. The source of the contamination is unknown. NJDEP subsequently sampled 29 additional private potable wells in the vicinity to determine the Currently Known Extent (CKE) of the contamination. The sampling revealed that 19 of the 29 wells were contaminated with volatile organic compounds and/or mercury at levels in excess of New Jersey Drinking Water Standards; however, three of these wells were too distant from the others to include in the CKE. The sampling also identified thirteen potable wells with volatile organic compounds and/or mercury at levels below New Jersey Drinking Water Standards. NJDEP subsequently installed Point-of-Entry Treatment (POET) water filtration systems on all of the wells contaminated above New Jersey Drinking Water Standards as an interim remedy to provide potable water for those residents.

In 1999, NJDEP completed a water supply alternatives analysis that concluded the continued use of POETs at the affected homes was the most cost-effective long-term solution to provide potable water to the area. However, Buena Vista Township and Buena Borough have elected to install public water lines to the area instead. NJDEP will help pay for the water lines by providing the Township and the Borough with Spill Fund monies equal to the cost of monitoring and maintaining the POETS for 20 years. In addition, Buena Vista Township and the Buena Borough Municipal Utilities Authority have arranged for funding through a Small Cities Grant to complete the water line project. NJDEP is also conducting a remedial investigation to determine the source or sources of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

White Horse Pike Ground Water Contamination

White Horse Pike

Mullica Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Investigating

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES













Spill Fund
Corporate Business Tax

AMOUNT AUTHORIZED

\$8,000
\$17,500

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1999 identified five potable wells in this area that were contaminated with chlorinated volatile organic compounds and/or mercury at levels exceeding New Jersey Drinking Water Standards. The source or sources of the contamination are unknown. NJDEP subsequently installed Point-of-Entry Treatment (POET) systems on the contaminated wells as an interim measure to provide potable water for those residents. In late 1999, NJDEP's Division of Publicly Funded Site Remediation sampled 28 additional private potable wells in the area. The sampling revealed one well that was contaminated with the volatile organic compound trichloroethylene (TCE) at levels exceeding New Jersey Drinking Water Standards and a POET was installed at this residence as well. NJDEP's Bureau of Underground Storage Tanks has issued Notices of Violation to the owners of three properties along the White Horse Pike that requires the property owners to properly close their unused or abandoned tanks. NJDEP plans to conduct additional potable well sampling in the spring of 2000 to further delineate the extent of the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Zion Road Ground Water Contamination

Zion Road & Schoolhouse Road

Egg Harbor Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Delineating

Potable Water

Mercury

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax













AMOUNT AUTHORIZED

\$13,000

\$12,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1998 revealed that five private potable wells in this area were contaminated with mercury at levels exceeding New Jersey Drinking Water Standards. The source of the contamination is unknown. NJDEP installed Point-of-Entry Treatment (POET) systems on the five wells as an interim remedy to provide potable water for the residents. In November 1999, NJDEP sampled 14 additional private potable wells in the neighborhood to determine the extent of the ground water contamination. The results of the sampling will be used to conduct a water supply alternatives analysis to identify the most cost-effective long-term solution to provide potable water to the area.

PROJECT NAME	R/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

